

CLAIMS

1. Seat arrangement for a motor vehicle seat having

- 5 - a seat base which defines a seat surface for a vehicle occupant and extends
in a longitudinal direction of the seat, and
- a backrest

characterised in that

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the backrest (R) can be adjusted in the longitudinal direction (L) of the seat relative to the seat base by means of a lever arrangement (31, 32).

2. Seat arrangement according to claim 1, **characterised in that** the longitudinal direction (L) of the seat extends along the longitudinal axis (x) of the vehicle in relation to the position of the seat arrangement installed in a motor vehicle.

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3. Seat arrangement according to claim 1 or 2, **characterised in that** the lever arrangement (31, 32) is formed by two spaced articulated levers (31, 32) which are attached on one side to an element (2) displaceable together with the backrest (R) and on the other side to a floor unit (30).

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4. Seat arrangement according to one of the preceding claims, **characterised in that** the lever arrangement (31, 32) is formed by two displacement levers (31, 32) which run parallel to each other.

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5. Seat arrangement according to one of the preceding claims, **characterised in that** the backrest (R) can be moved additionally in the longitudinal direction (L) of the seat by means of a longitudinal guide.

6. Seat arrangement according to one of the preceding claims, **characterised in that** the backrest (R) can be brought by means of the lever arrangement into at least two, more particularly just two, different longitudinal positions and that these longitudinal positions can be locked.

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7. Seat arrangement according to one of the preceding claims. **characterised in that** the means for moving the backrest (R) in the longitudinal direction (L) of the seat engage on a structural frame unit (2) on which the backrest (R) is mounted.

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8. Seat arrangement according to one of the preceding claims, **characterised in that** the backrest (R) can be folded about a pivotal axis onto the seat surface.

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9. Seat arrangement for a motor vehicle seat according to claim 8, **characterised in that** the pivotal axis (S) is moved along a predetermined path as the backrest (R) is folded forwards onto the seat surface (F).

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10. Seat arrangement according to claim 8 or 9, **characterised in that** the pivotal axis (S) is formed by a physical structural unit (10, 20) of the seat arrangement.

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11. Seat arrangement according to claim 8 or 9, **characterised in that** the pivotal axis (S) is formed by a bearing axis (10) through which the backrest (R) is mounted on a structural frame unit (2)

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12. Seat arrangement according to one of claims 8 to 11, **characterised in that** the pivotal axis (S) is automatically guided along the predetermined path as the backrest (R) is folded forwards.

13. Seat arrangement according to claim 12, **characterised in that** the pivotal axis (S) is automatically guided by means of a guide device (20) which extends along the predetermined path.

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14. Seat arrangement according to claim 13, **characterised in that** the guide device (20) is formed by a guide slide.

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15. Seat arrangement according to claim 12, **characterised in that** the pivotal axis (S) is automatically guided by means of a guide element (27) through which the pivotal axis (S) is connected to a structural frame unit (2) and which is moved as the backrest (R) is folded forwards.

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16. Seat arrangement according to claim 15, **characterised in that** the guide element (27) is designed longitudinally extended.

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17. Seat arrangement according to claim 15 or 16, **characterised in that** the guide element (27) is formed through a guide lever.

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18. Seat arrangement according to one of claims 8 to 17, **characterised in that** the backrest (R) is connected additionally outside of the pivotal axis (S) for articulation to a structural frame unit (2).

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19. Seat arrangement according to claim 18, **characterised in that** the backrest (R) is connected outside of the pivotal axis (S) to the structural frame unit (2) through a coupling element (23) which extends from the backrest (R) to the structural frame unit (2) and is moved as the backrest rest (R) folds forward.

20. Seat arrangement according to claim 19, **characterised in that** the coupling element (23) is formed by a coupling lever.

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21. Seat arrangement according to claim 18, **characterised in that** the backrest (R) is connected outside of the pivotal axis (S) to the frame unit (2) through a guide device (25) which guides a section (16) of the backrest (R) as it folds forward.

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22. Seat arrangement according to claim 21, **characterised in that** the guide device (25) is formed through a guide slide.

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23. Seat arrangement according to one of claims 18 to 22, **characterised in that** the movement of the pivotal axis (S) along the predetermined path as the backrest (R) folds forward is controlled through the interaction of the backrest (R) with the structural frame unit (2) outside of the pivotal axis (S).

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24. Seat arrangement according to one of claims 18 to 23, **characterised in that** the pivotal axis (S) is automatically guided along the predetermined path by means of a guide device (20) extended along this path or by means of a guide element (27) through which the pivotal axis (S) is connected to the structural frame unit (2) and that the movement of the pivotal axis (S) along the predetermined path is controlled by means of a coupling element (23) or by means of a guide device (5) by means of which the backrest (R) is connected to the structural frame group (2) outside of the pivotal axis (S).

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25. Seat arrangement according to one of claims 9 to 24, **characterised in that** the pivotal axis (S) is moved on a closed path as the backrest (R) is folded forwards.

26. Seat arrangement according to claim 25, **characterised in that** as the backrest (R) is folded forwards the pivotal axis (S) is moved from one end (20a) to another end (20b) of an open path curve and back to the one end (20a) of the path curve.

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27. Seat arrangement according to one of claims 9 to 26, **characterised in that** as the backrest (R) folds forward the pivotal axis (S) is moved at least during part of the folding movement along a direction which is substantially opposite the direction of the folding movement.

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28. Seat arrangement according to one of claims 8 to 27, **characterised by** means (21, 21a) for locking the pivotal axis (S) in a position which corresponds to a backrest (R) raised up in the useful position, and/or in a position which corresponds to a backrest (R) folded forwards down onto the seat surface (F).

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29. Seat arrangement according to claim 28, **characterised in that** the means (21, 21a) for locking the pivotal axis (S) comprise a locking lever (21).

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30. Seat arrangement according to one of claims 8 to 29, **characterised in that** an adjusting device (4) is provided by means of which the rake of the raised-up backrest (R) can be set between different useful positions.

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31. Seat arrangement according to claim 30, **characterised by** a locking device (5) for locking a previously set incline of the backrest (R).

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32. Seat arrangement according to claim 31, **characterised in that** the locking device is formed through the self-locking design of the adjustment device (4) or through a brake associated with the adjustment device (4).

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33. Seat arrangement according to claim 31, **characterised in that** a separate locking device (5) is provided which interacts with the adjusting device (4).

5 34. Seat arrangement according to claim 33, **characterised in that** the locking device (5) comprises a primary locking element (51) which for locking the adjusting device (4) acts on same, as well as a second locking element (52) with which the primary locking element (51) can be locked in a position in which it acts on the adjusting device (4).

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35. Seat arrangement according to claim 34, **characterised in that** the secondary locking element (52) brings the primary locking element (51) out of engagement with the adjusting device (4) in order to be able to change the rake of the backrest.

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36. Seat arrangement according to one of claims 9 to 35, **characterised in that** the seat surface is formed by a seat cushion mounted on the seat base.

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